

Please type a plus sign (+) inside this box →

APR 03 2002

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

4

Complete if Known

Application Number	10/083,196
Filing Date	February 26, 2002
First Named Inventor	DYER, James
Group Art Unit	1775
Examiner Name	Zimmerman
Attorney Docket Number	P00629-US-0 (13929.0007)

RECEIVED
2002

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Kind Code ² Number (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited "Document" MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2001/0009741 A1	Durkot, et al.	07-26-2001	
		US-2001/0012580 A1	Reichert, et al.	08-09-2001	
		US-2001/0052487 A1	King	12-20-2001	
		US-1486172	Wilhelm	03-11-1924	
		US-1646736	Mills	10-25-1927	
		US-2855657	A. Erhardt	10-14-1958	
		US-2918955	Simas	12-29-1959	
		US-3069486	Solomon, et al.	12-18-1962	
		US-3071638	Clark, et al.	01-01-1963	
		US-3198668	Schneider	08-03-1965	
		US-3202517	Jarboe, et al.	08-24-1965	
		US-3202596	Canevari	08-24-1965	
		US-3205097	Clune, et al.	09-07-1965	
		US-3226260	Drengler	12-28-1965	
		US-3260661	Kemp, et al.	07-12-1966	
		US-3354063	Shutt	11-21-1967	
		US-3399160	Kemp	08-27-1968	
		US-3548476	Cave, et al.	12-22-1970	
		US-3653930	Law, et al.	04-04-1972	
		US-3704875	Walrich	12-05-1972	
		US-3712608	Larson	01-23-1973	
		US-3736634	Sonninc	06-05-1973	
		US-3752211	Kuniyasu, et al.	08-14-1973	
		US-3796582	Leahy, et al.	03-12-1974	
		US-3802910	Gerow, et al.	04-09-1974	
		US-3844838	Louzos	10-29-1974	
		US-3853625	Louzos	12-10-1974	
		US-3859101	Slater	01-07-1975	
		US-3899404	Iverson	08-12-1975	
		US-3905830	Louzos	09-16-1975	
		US-3917648	McLeod	11-04-1975	
		US-3923945	Humphries	12-02-1975	
		US-3951687	Takamura, et al.	04-20-1976	
		US-3990478	McFarland	11-09-1976	
		US-3994794	Bohne	11-30-1976	
		US-4007054	Marincic, et al.	02-08-1977	
		US-4050128	Lange	09-27-1977	
		US-4066598	Beers, et al.	01-03-1978	
		US-4083643	Parone	04-11-1978	
		US-4084971	Ginsberg	04-18-1978	
		US-4086095	McLeod	04-25-1978	
		US-4086096	McLeod	04-25-1978	
		US-4091178	Kordesch	05-23-1978	
		US-4096064	du Fresne	06-20-1978	
Examiner Signature	Date Considered	4/21/05			
JOHN J. ZIMMERMAN					

*EXAMINER: Initials in Primary Examiner box indicate this information is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box

APR 03 2002

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0001
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO				Complete if Known																																																																																																																																																																																																																														
				Application Number	10/083,196																																																																																																																																																																																																																													
				Filing Date	February 26, 2002																																																																																																																																																																																																																													
				First Named Inventor	DYER, James																																																																																																																																																																																																																													
				Group Art Unit	1775																																																																																																																																																																																																																													
				Examiner Name	Zimmerman																																																																																																																																																																																																																													
				Attorney Docket Number	P00629-US-0 (13929.0007)																																																																																																																																																																																																																													
U.S. PATENT DOCUMENTS																																																																																																																																																																																																																																		
Examiner Initials*	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited "Document" MM-DD-YYYY																																																																																																																																																																																																																													
<table border="1"> <tbody> <tr><td>US-4110117</td><td></td><td>McLeod</td><td>08-29-1978</td><td></td></tr> <tr><td>US-4175168</td><td></td><td>Armstrong, et al.</td><td>11-20-1979</td><td></td></tr> <tr><td>US-4226920</td><td></td><td>Armstrong</td><td>10-07-1980</td><td></td></tr> <tr><td>US-4307164</td><td></td><td>Church, et al.</td><td>12-22-1981</td><td></td></tr> <tr><td>US-4368244</td><td></td><td>Danzig</td><td>01-11-1983</td><td></td></tr> <tr><td>US-4381334</td><td></td><td>Balk, et al.</td><td>04-26-1983</td><td></td></tr> <tr><td>US-4434541</td><td></td><td>Powers, Jr.</td><td>03-06-1984</td><td></td></tr> <tr><td>US-4496444</td><td></td><td>Bagnulo</td><td>01-29-1985</td><td></td></tr> <tr><td>US-4500327</td><td></td><td>Nishino, et al.</td><td>02-19-1985</td><td></td></tr> <tr><td>US-4571268</td><td></td><td>Frain, et al.</td><td>02-18-1986</td><td></td></tr> <tr><td>US-4591771</td><td></td><td>Nozawa, et al.</td><td>05-27-1986</td><td></td></tr> <tr><td>US-4645697</td><td></td><td>Torigoe</td><td>02-24-1987</td><td></td></tr> <tr><td>US-4657954</td><td></td><td>Watanabe, et al.</td><td>04-14-1987</td><td></td></tr> <tr><td>US-4721421</td><td></td><td>Klinger</td><td>01-26-1988</td><td></td></tr> <tr><td>US-4734140</td><td></td><td>Tzeng</td><td>03-29-1988</td><td></td></tr> <tr><td>US-4780575</td><td></td><td>Flavin, et al.</td><td>10-25-1988</td><td></td></tr> <tr><td>US-4830724</td><td></td><td>Houle</td><td>05-16-1989</td><td></td></tr> <tr><td>US-4890444</td><td></td><td>Vander Giessen, et al.</td><td>01-02-1990</td><td></td></tr> <tr><td>US-4906522</td><td></td><td>Miller</td><td>03-06-1990</td><td></td></tr> <tr><td>US-4907920</td><td></td><td>Lund, et al.</td><td>03-13-1990</td><td></td></tr> <tr><td>US-4986898</td><td></td><td>Torihata, et al.</td><td>01-22-1991</td><td></td></tr> <tr><td>US-4988550</td><td></td><td>Keyser, et al.</td><td>01-29-1991</td><td></td></tr> <tr><td>US-5008146</td><td></td><td>Keohan</td><td>04-16-1991</td><td></td></tr> <tr><td>US-5011602</td><td></td><td>Totani, et al.</td><td>04-30-1991</td><td></td></tr> <tr><td>US-5055165</td><td></td><td>Riffe, et al.</td><td>10-08-1991</td><td></td></tr> <tr><td>US-5061566</td><td></td><td>Morgan</td><td>10-29-1991</td><td></td></tr> <tr><td>US-5147694</td><td></td><td>Clarke</td><td>09-15-1992</td><td></td></tr> <tr><td>US-5158643</td><td></td><td>Yoshinaka, et al.</td><td>10-27-1992</td><td></td></tr> <tr><td>US-5167701</td><td></td><td>Savin</td><td>12-01-1992</td><td></td></tr> <tr><td>US-5180585</td><td></td><td>Jacobson, et al.</td><td>01-19-1993</td><td></td></tr> <tr><td>US-5193944</td><td></td><td>Nishimura</td><td>03-16-1993</td><td></td></tr> <tr><td>US-5221163</td><td></td><td>Nishimura</td><td>06-22-1993</td><td></td></tr> <tr><td>US-5225081</td><td></td><td>Brownawell</td><td>07-06-1993</td><td></td></tr> <tr><td>US-5346598</td><td></td><td>Riffe, et al.</td><td>09-13-1994</td><td></td></tr> <tr><td>US-5364574</td><td></td><td>Panayappan, et al.</td><td>11-15-1994</td><td></td></tr> <tr><td>US-5399432</td><td></td><td>Schleifstein, et al.</td><td>03-21-1995</td><td></td></tr> <tr><td>US-5407743</td><td></td><td>Clough, et al.</td><td>04-18-1995</td><td></td></tr> <tr><td>US-5415745</td><td></td><td>Pultan, et al.</td><td>05-16-1995</td><td></td></tr> <tr><td>US-5449563</td><td></td><td>Zhang</td><td>09-12-1995</td><td></td></tr> <tr><td>US-5453328</td><td></td><td>Nagano, et al.</td><td>09-26-1995</td><td></td></tr> <tr><td>US-5463167</td><td></td><td>Ou</td><td>10-31-1995</td><td></td></tr> <tr><td>US-5468381</td><td></td><td>Williamson</td><td>11-21-1995</td><td></td></tr> <tr><td>US-5503840</td><td></td><td>Jacobson, et al.</td><td>04-02-1996</td><td></td></tr> <tr> <td colspan="4">Examiner Signature <i>JOHN J. ZIMMERMAN</i></td> <td>Date Considered</td> <td>4/21/05</td> </tr> </tbody> </table>						US-4110117		McLeod	08-29-1978		US-4175168		Armstrong, et al.	11-20-1979		US-4226920		Armstrong	10-07-1980		US-4307164		Church, et al.	12-22-1981		US-4368244		Danzig	01-11-1983		US-4381334		Balk, et al.	04-26-1983		US-4434541		Powers, Jr.	03-06-1984		US-4496444		Bagnulo	01-29-1985		US-4500327		Nishino, et al.	02-19-1985		US-4571268		Frain, et al.	02-18-1986		US-4591771		Nozawa, et al.	05-27-1986		US-4645697		Torigoe	02-24-1987		US-4657954		Watanabe, et al.	04-14-1987		US-4721421		Klinger	01-26-1988		US-4734140		Tzeng	03-29-1988		US-4780575		Flavin, et al.	10-25-1988		US-4830724		Houle	05-16-1989		US-4890444		Vander Giessen, et al.	01-02-1990		US-4906522		Miller	03-06-1990		US-4907920		Lund, et al.	03-13-1990		US-4986898		Torihata, et al.	01-22-1991		US-4988550		Keyser, et al.	01-29-1991		US-5008146		Keohan	04-16-1991		US-5011602		Totani, et al.	04-30-1991		US-5055165		Riffe, et al.	10-08-1991		US-5061566		Morgan	10-29-1991		US-5147694		Clarke	09-15-1992		US-5158643		Yoshinaka, et al.	10-27-1992		US-5167701		Savin	12-01-1992		US-5180585		Jacobson, et al.	01-19-1993		US-5193944		Nishimura	03-16-1993		US-5221163		Nishimura	06-22-1993		US-5225081		Brownawell	07-06-1993		US-5346598		Riffe, et al.	09-13-1994		US-5364574		Panayappan, et al.	11-15-1994		US-5399432		Schleifstein, et al.	03-21-1995		US-5407743		Clough, et al.	04-18-1995		US-5415745		Pultan, et al.	05-16-1995		US-5449563		Zhang	09-12-1995		US-5453328		Nagano, et al.	09-26-1995		US-5463167		Ou	10-31-1995		US-5468381		Williamson	11-21-1995		US-5503840		Jacobson, et al.	04-02-1996		Examiner Signature <i>JOHN J. ZIMMERMAN</i>				Date Considered	4/21/05
US-4110117		McLeod	08-29-1978																																																																																																																																																																																																																															
US-4175168		Armstrong, et al.	11-20-1979																																																																																																																																																																																																																															
US-4226920		Armstrong	10-07-1980																																																																																																																																																																																																																															
US-4307164		Church, et al.	12-22-1981																																																																																																																																																																																																																															
US-4368244		Danzig	01-11-1983																																																																																																																																																																																																																															
US-4381334		Balk, et al.	04-26-1983																																																																																																																																																																																																																															
US-4434541		Powers, Jr.	03-06-1984																																																																																																																																																																																																																															
US-4496444		Bagnulo	01-29-1985																																																																																																																																																																																																																															
US-4500327		Nishino, et al.	02-19-1985																																																																																																																																																																																																																															
US-4571268		Frain, et al.	02-18-1986																																																																																																																																																																																																																															
US-4591771		Nozawa, et al.	05-27-1986																																																																																																																																																																																																																															
US-4645697		Torigoe	02-24-1987																																																																																																																																																																																																																															
US-4657954		Watanabe, et al.	04-14-1987																																																																																																																																																																																																																															
US-4721421		Klinger	01-26-1988																																																																																																																																																																																																																															
US-4734140		Tzeng	03-29-1988																																																																																																																																																																																																																															
US-4780575		Flavin, et al.	10-25-1988																																																																																																																																																																																																																															
US-4830724		Houle	05-16-1989																																																																																																																																																																																																																															
US-4890444		Vander Giessen, et al.	01-02-1990																																																																																																																																																																																																																															
US-4906522		Miller	03-06-1990																																																																																																																																																																																																																															
US-4907920		Lund, et al.	03-13-1990																																																																																																																																																																																																																															
US-4986898		Torihata, et al.	01-22-1991																																																																																																																																																																																																																															
US-4988550		Keyser, et al.	01-29-1991																																																																																																																																																																																																																															
US-5008146		Keohan	04-16-1991																																																																																																																																																																																																																															
US-5011602		Totani, et al.	04-30-1991																																																																																																																																																																																																																															
US-5055165		Riffe, et al.	10-08-1991																																																																																																																																																																																																																															
US-5061566		Morgan	10-29-1991																																																																																																																																																																																																																															
US-5147694		Clarke	09-15-1992																																																																																																																																																																																																																															
US-5158643		Yoshinaka, et al.	10-27-1992																																																																																																																																																																																																																															
US-5167701		Savin	12-01-1992																																																																																																																																																																																																																															
US-5180585		Jacobson, et al.	01-19-1993																																																																																																																																																																																																																															
US-5193944		Nishimura	03-16-1993																																																																																																																																																																																																																															
US-5221163		Nishimura	06-22-1993																																																																																																																																																																																																																															
US-5225081		Brownawell	07-06-1993																																																																																																																																																																																																																															
US-5346598		Riffe, et al.	09-13-1994																																																																																																																																																																																																																															
US-5364574		Panayappan, et al.	11-15-1994																																																																																																																																																																																																																															
US-5399432		Schleifstein, et al.	03-21-1995																																																																																																																																																																																																																															
US-5407743		Clough, et al.	04-18-1995																																																																																																																																																																																																																															
US-5415745		Pultan, et al.	05-16-1995																																																																																																																																																																																																																															
US-5449563		Zhang	09-12-1995																																																																																																																																																																																																																															
US-5453328		Nagano, et al.	09-26-1995																																																																																																																																																																																																																															
US-5463167		Ou	10-31-1995																																																																																																																																																																																																																															
US-5468381		Williamson	11-21-1995																																																																																																																																																																																																																															
US-5503840		Jacobson, et al.	04-02-1996																																																																																																																																																																																																																															
Examiner Signature <i>JOHN J. ZIMMERMAN</i>				Date Considered	4/21/05																																																																																																																																																																																																																													

*EXAMINER: Initial if reference cited in this statement is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box



Approved for use through 10/31/2002. OMB 0651-0011
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

PTO/SB/05A (08-00)

APR 4 2002

RECEIVED

TC 1700

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	3	of	4	Attorney Docket Number	P00629-US-0 (13929.0007)
-------	---	----	---	------------------------	--------------------------

US PATENT DOCUMENTS

US-5584109	DiGiovanni, et al.	12-17-1996	
US-5591538	Eidler, et al.	01-07-1997	
US-5595750	Jacobson, et al.	01-21-1997	
US-5597979	Courtney, et al.	01-28-1997	
US-5604677	Brien	02-18-1997	
US-5622627	Fanning, et al.	04-22-1997	
US-5643424	Riffe, et al.	07-01-1997	
US-5685674	Tåquist, et al.	11-11-1997	
US-5714045	Lasa, et al.	02-03-1998	
US-5740772	Bluma	04-21-1998	
US-5747053	Nashimoto, et al.	05-05-1998	
US-5750249	Walther, et al.	05-12-1998	
US-5811050	Gabower	09-22-1998	
US-5817325	Sawan, et al.	10-06-1998	
US-5827997	Chung, et al.	10-27-1998	
US-5843284	Waters, et al.	12-01-1998	
US-5849311	Sawan, et al.	12-15-1998	
US-5869412	Yenni, Jr., et al.	02-09-1999	
US-5882150	Furuta, et al.	03-16-1999	
US-5888526	Tsubai, et al.	03-30-1999	
US-5888527	Nashimoto, et al.	03-30-1999	
US-5897673	Nishida, et al.	04-27-1999	
US-6012495	Antonsen	01-11-2000	
US-6022639	Ury	02-08-2000	
US-6060197	McEvoy, et al.	05-09-2000	
US-6106741	Heimann, et al.	08-22-2000	
US-6126931	Sawan, et al.	10-03-2000	
US-6150052	Ury	11-21-2000	
US-6164876	Cordovano	12-26-2000	
US-6179528 B1	Wardell	01-30-2001	
US-6200397 B1	Allen	03-13-2001	
US-6214203 B1	Horton	04-10-2001	
US-6221527 B1	Tang	04-24-2001	
US-6228509 B1	Mizumoto, et al.	05-08-2001	
US-6242880 B1	Hong	06-05-2001	
US-6248217 B1	Biswas, et al.	06-19-2001	
US-6248806 B1	Codolar, et al.	06-19-2001	
US-6264936 B1	Sawan, et al.	07-24-2001	
US-6281321 B1	Kelly, et al.	08-28-2001	
US-6300011 B1	Lin, et al.	10-09-2001	
US-6329101 B1	Kawakami	12-11-2001	
US-6331242 B1	Horton	12-18-2001	
US-6331349 B1	Kalinowski, et al.	12-18-2001	
US-6333127 B1	Ury	12-25-2001	

Examiner
Signature

JOHN J. ZIMMERMAN

Date
Considered

4/21/05

PRIMARY EXAMINER

*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Not considered - No copies scanned into the system (eDARS)

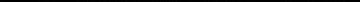
Please type a plus sign (+) inside this box



PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

TO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Examiner Signature	 JOHN L. ZIMMERMAN	Date Considered	7/21/05
--------------------	--	-----------------	---------

**Examiner
Signature**

**JOHN J. ZIMMERMAN
PRIMARY EXAMINER**

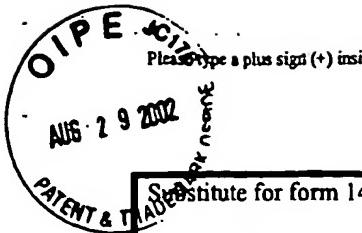
**Date
Considered**

Y/21/05

*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with communication to applicant.

1Unique citation designation number. **2**Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box → +

PTO/SB/08 A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/083,196
		Filing Date	February 26, 2002
		First Named Inventor	DYER, James
		Group Art Unit	1225
		Examiner Name	Zimmermann
		Attorney Docket Number	P00629-US-0 (13929.0007)
(use as many sheets as necessary)			
Sheet	1	of	1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

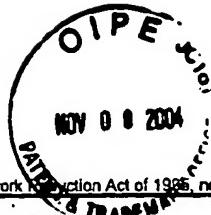
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Publisher, city and/or country where published.	T ²
<i>[Handwritten initials]</i>	1	<i>Tool and Manufacturing Engineers Handbook</i> , Third Edition; Daniel B. Dallas, Editor-in-Chief; pages 6-28 through 6-33.	
<i>[Handwritten initials]</i>	2	EnvironmentalChemistry.com; Environmental, Chemistry & Hazardous Materials Information & Resources; 07/18/2002; Periodic Table of Elements Ag - Silver.	
<i>[Handwritten initials]</i>	3	EnvironmentalChemistry.com; Environmental, Chemistry & Hazardous Materials Information & Resources; 07/18/2002; Periodic Table of Elements cd - Cadmium.	

Examiner Signature	Date Handwritten	JOHN S. ZIMMERMAN PRIMARY EXAMINER	4/21/05		
-----------------------	---------------------	---------------------------------------	---------	--	--

*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



May 00 2004

PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
A collection of information unless it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	10/083,196
Filing Date	February 26, 2002
First Named Inventor	Headrick, Jon W.
Art Unit	1775
Examiner Name	Johnson
Attorney Docket Number	P00629-US-0

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

**Examiner
Signature**

JOHN J. ZIMMERMAN

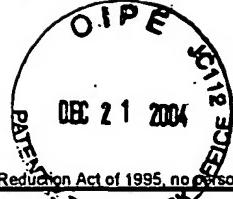
Date Considered

4/21/05

EXAMINER: Initial if reference considered. **REMARKS:** Initial if station is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known	
		Application Number	10/083,196
		Filing Date	2/26/2002
		First Named Inventor	DYER, James
		Art Unit	1775
		Examiner Name	Zimmerman
Sheet	1	of	1
		Attorney Docket Number P00629-US-0	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sh

of | 1

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
b3		JP358019866A	2/5/1983	OSHITANI, et al		
b3		JP362069463A	3/30/1987	TERAOKA		

**Examiner
Signature**

JOHN J. ZIMMERMAN

**Date
Considered**

4/21/05

PRIMARY EXAMINER
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.